WE CLAIM AS OUR INVENTION:

- 1. A microlancet device formed of silicon and having a sharp point for piercing the skin of a subject.
- 2. The microlancet device of Claim 1 wherein the microlancet device has a cross section between approximately 50 micrometers and approximately 250 micrometers.
- 1 3. The microlancet device of Claim 1 wherein the
 2 microlancet device has a length between approximately
 3 nillimeter and approximately 3 millimeters.
- 4. The microlancet device of Claim 1 and further comprising a nitride film deposited on the silicon substrate.
- 5. The microlancet device of Claim 5 wherein the nitride film has a thickness of approximately 2000 Angstroms.
- 1 6. The microlancet device of Claim 5 and further comprising coating of photoresist on the nitride film.
- 7. The microlancet device of Claim 5 and further comprising removing a portion of the nitride film.
- 8. The microlancet device of Claim 8 wherein the portion of the nitride film is removed by potassium hydroxide.

- 9. The microlancet device of Claim 9 and further comprising a photoresist coating applied to the silicon wafer.
- 10. The microlancet device of Claim 10 and further
 2 comprising patterning the silicon wafer with a plasma
 3 etching process.
- 11. The microlancet device of Claim 11 and further comprising removing the photoresist coating.

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1	12.	A method-of constructing a microlancet device formed
2		of silicon and having a sharp point for piercing the
3		skin of a subject, the method comprising:
1		providing a silicon substrate; and
5		plasma etching the silicon substrate into a sharp probe
5		for piercing the patient's skin.

- 13. The method of Claim 13 and further comprising etching the silicon wafer into a microlancet device having a diameter between approximately 50 micrometers and approximately 250 micrometers.
 - 14. The method of Claim 13 and further comprising etching the silicon wafer into a microlancet device having a length between approximately 1 millimeter and approximately 3 millimeters.
 - 15. The method of Claim 13 and further comprising applying a sulfuric acid/hydrogen peroxide mixture in water to the silicon wafer.
- 16. The method of Claim 13 and further comprising depositing a nitride film on the silicon wafer.
- 17. The method of Claim 17 wherein the nitride film has a thickness of approximately 2000 Angstoms.
- 18. The method of Claim 17 and further comprising applying a coating of photoresist on the nitride film.

- 19. The method of Claim 17 and further comprising removing a portion of the nitride film.
- 20. The method of Claim 20 and further comprising removing a portion of the nitride film with potassium hydroxide etchant.
- 21. The method of Claim 21 and further comprising applying a photoresist coating to the silicon wafer.
 - 22. The method of Claim 22 and further comprising patterning the silicon wafer with a plasma etching process.
 - 23. The method of Claim 23 and further comprising removing the photoresist coating.